

CONTACT

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🌐 kingtaojasonng

in jasonkng

SKILLS

Data Analysis 5+ yrs

Leadership 2+ yrs

Statistics 5+ yrs

Strategic Thinking 4+ yrs

Software Quality Assurance 1+ yrs

Project Management 5+ yrs

Business Analysis 4+ yrs

Software Engineering 4+ yrs

KING TAO JASON NG

An experienced all-round data scientist

EDUCATION

Doctor of Philosophy
Macquarie University

Nov 23 - Present

Master of Research in Artificial Intelligence
Macquarie University

Jul 21 - Oct 23

Thesis: *Identifying Causal Directions from Text: Unsupervised Learning using Bayesian Framework*

Master of Data Science
University of Sydney

Mar 16 - Jul 19

Thesis: *Academic Capability Mapping*

Master of Economics in Econometrics and Financial
Economics
University of Sydney

Mar 08 - Jul 12

Master of Information Technology in Knowledge
Systems and Data Mining
University of New South Wales

Jul 05 - Dec 07

Bachelor of Science in Computer Science
University of New South Wales

Jul 01 - Mar 05

WORK EXPERIENCE

Senior Data Scientist
Chief Data and Analytics Office, ASIC

Jul 22 - Present

Lead and implement Licensing ML Proof of Concept, Lead and design Knowledge Management Metadata Extraction

Senior Analytics Platform Owner
Chief Data and Analytics Office, ASIC

Jul 21 - Jul 22

Promoted and managed Databricks, RStudio Servers, Python Servers and Data Science Lab

Sessional Teaching Academic
School of Computing, Macquarie University

Feb 22 - Jun 22

Taught Document Processing and Semantic Technologies (COMP3220)

Data Scientist
Chief Data and Analytics Office, ASIC

Oct 19 - Jul 21

Led and implemented NLP Prospectuses; Proposed and designed NLP pipeline

ACHIEVEMENTS

Australia Day Achievement Award

ASIC

Launched Market Analysis and Intelligence Surveillance System

ARI Award

Aristocrat Technologies Australia

Competent Communicator

Toastmasters International

Data Scientist

School of Computer Science, University of Sydney

Aug 17 - Jun 19

Designed and developed Researcher Collaboration Recommendation System using Python and D3.js

Analyst

Market Infrastructure, ASIC

Jul 16 - Oct 19

Proposed and implemented Wash Trade Detection using KDB+/Q; Designed and implemented Market Data Analytics Hub using Elastic Stack

Analyst

Market & Participant Supervision, ASIC

Jan 13 - Jul 16

Managed and implemented Market Analysis and Intelligence Surveillance System; Drafted Technology and Analytics Capability Review

Intranet Programmer

Information and Communications Technology, Scots College

Oct 11 - Dec 11

Maintained and managed IBM DB2

Domain Analyst

Wagering Technology, Tabcorp Holdings Limited

Mar 11 - May 11

Managed requirements for Customer Loyalty Project

Software Engineer

Studio Development, Aristocrat Technologies Australia

Jul 08 - Mar 11

Designed and implemented gaming applications in C and C++; Proposed gaming concepts to senior executives

Graduate Software Engineer

Platform Development, Aristocrat Technologies Australia

Jul 07 - Jul 08

Designed and developed networking protocols for casino management systems in C and C++

Graduate Test Engineer

Software Integrity Testing, Aristocrat Technologies Australia

Jan 07 - Jul 07

Developed test plans; Performed unit and integration tests

PUBLICATIONS

Hierarchical Word Mover Distance for Collaboration Recommender System

Dec 18

Chao Sun, King Tao Jason Ng, Philip Henville and Roman Marchant

The 16th Australasian Data Mining Conference, AusDM 2018, Bathurst, NSW, Australia, November 28 - 30, 2018, Revised Selected Papers

WORKSHOPS & CONFERENCES

13th Data Management Community Australia Taxation Office

Jun 20

Coding Fest 2019

University of Sydney

Feb 19